

CAUTION - ELECTRICALLY OPERATED PRODUCT
 NOT RECOMMENDED FOR CHILDREN UNDER 8 YEARS OF AGE. AS WITH ALL ELECTRICAL PRODUCTS, PRECAUTION SHOULD BE OBSERVED DURING HANDLING AND USE TO PREVENT ELECTRIC SHOCK.

NOTE TO PARENTS: PERIODICALLY EXAMINE THIS RACING SET, POWER PACK, CARS AND TRACK FOR POTENTIAL HAZARDS. LOOK FOR LOOSE CONNECTIONS OR FRAYED WIRING. ANY HAZARDOUS PARTS SHOULD BE IMMEDIATELY REPAIRED OR REPLACED BEFORE USE.



TOMY

OWNER'S MANUAL

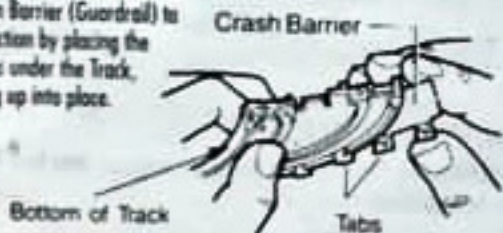
AFX

TRACK ASSEMBLY

- Assemble the straight or curved track on a flat, clean surface. DO NOT assemble Track on carpeting. Push the pieces of Track together until they lock in place. Assemble pieces of Track to form the layout of your choice from the Layout Sheet. To disassemble, pull the pieces apart.



- Attach a Crash Barrier (Guardrail) to each curve section by placing the Guardrail Tabs under the Track, then snapping up into place.

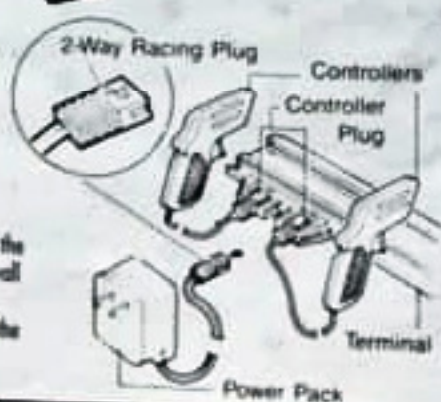


- Snap Bridge Support together and attach to track as needed.



- Slide the Controller Plugs into the Terminal Track. Slide the Power pack 2 Way Racing Plug into the Terminal Track as shown. Plug the Power Pack into an electrical wall outlet (110-120 Volts, AC)

NOTE: Cars move in the direction of the arrows on the 2 way Racing Plug.

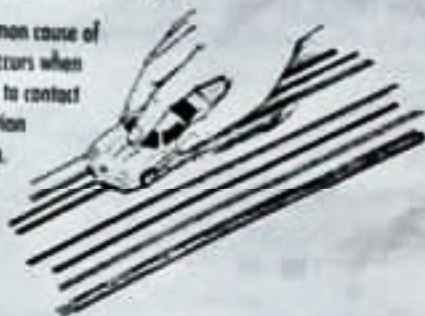


- Place cars on Track, making sure Guide Pin fits into Slot on Track.
 NOTE: Operate only one car per lane.



- Connect all track sections as shown on your track layout and plug in power pack. Test each and every track section by angling a car with the pick up shoes touching the track rails on both sides of the track joints.

The most common cause of "dead spots" occurs when metal rails fail to contact from track section to track section.

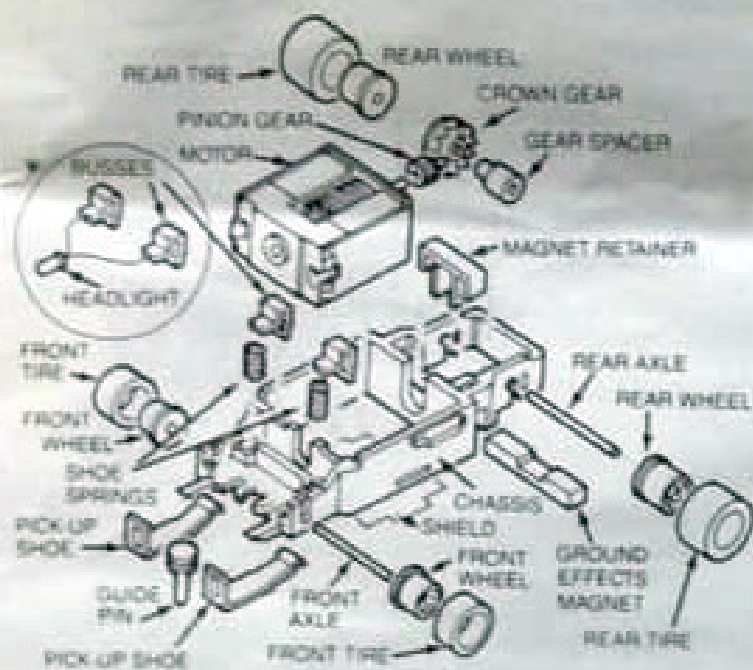


- Squeeze the Trigger on the Controller to make the car accelerate. The more you squeeze the Trigger, the faster the car runs! To reduce speed, simply decrease pressure on the Trigger. Releasing the Trigger stops the car.



PARTS IDENTIFICATION

AFX™ TURBO CHASSIS



*Optional Night Lighted Cars have special headlights which are added to Boxes as shown.

REMOVING/REPLACING MOTOR

A. First remove the magnet retainer from the rear of the chassis. Then remove rear axle assembly and shield. See exposed view for detail and position of parts.

NOTE: Magnets have a white marking on one side. White marking is to be facing up away from the bottom of the chassis.

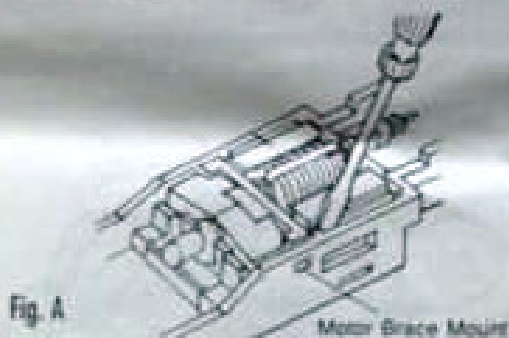


Fig. A

B. Using a small screwdriver, place the head between the magnet and chassis as shown on Fig. A. Note that the placement of the screwdriver should be close to the motor brace mount. Once placed move the screwdriver inward toward the magnet and move up. The motor should now be raised a little. At this point push up from underneath the chassis. You should now be able to remove the motor. To reassemble just reverse process.

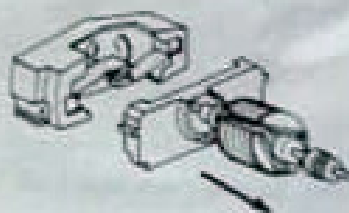


Fig. B

C. When detaching the motor from the brush housing, be careful as to not damage the brush (see Fig. 3).

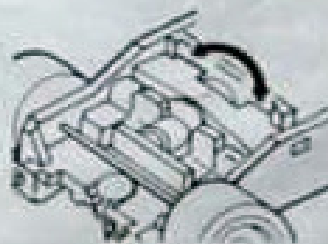
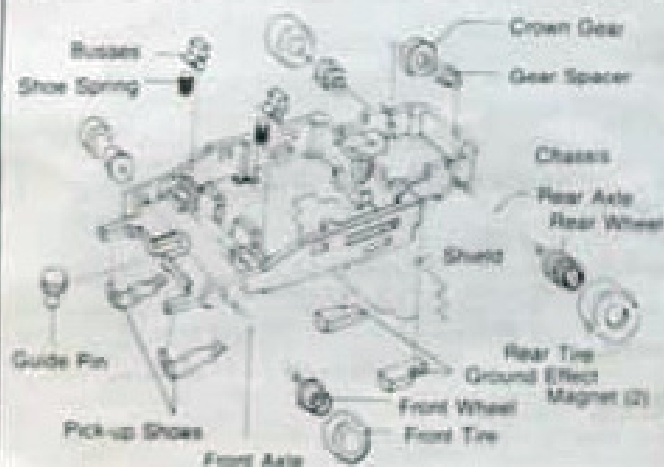


Fig. C

RECTIFICATION TIMING ADJUSTMENT OF MOTOR (Fig. C)

Your Super G-Plus Car comes with a timing adjustment function that allows you to adjust the car for different racing tracks. Adjust to the left to increase the RPM's of the motor. This function is used for long racing tracks with few curves. Adjust to the right to increase the torque of the motor. This function is used for racing tracks with a lot of curves and few straights.

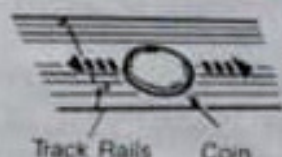
AFX™ SUPER G-PLUS™ CHASSIS



CLEANING and GENERAL MAINTENANCE

CAUTION: UNPLUG POWER PACK BEFORE CLEANING TRACK

Always clean the track before you start racing. Use an eraser to clean the Track Rails, then wipe away residue with a clean dry cloth. Blow out any deposits that may have fallen in the track grooves. You may also use the special track pad provided or a coin to clean the Track Rails. Simply lay a coin flat on the Rails and rub until Rails are shiny. NEVER use steel wool to clean the Track. Periodically wipe tracks with a clean cloth to remove excess dust.



A. CLEAN TIRES

Place a strip of cellophane tape on a table as shown. Roll rear tires across the tape a few times.



B. ADJUST WHEELS

If the wheels bind against the car's chassis, use a screwdriver to carefully pry the wheels out. NOTE: Make sure wheels do not extend past or rub body.



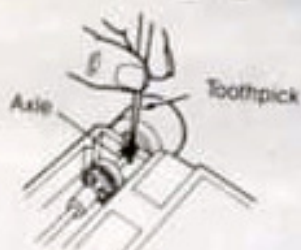
C. POOR TRACK CONNECTION

Check to make sure all Track sections are properly connected.



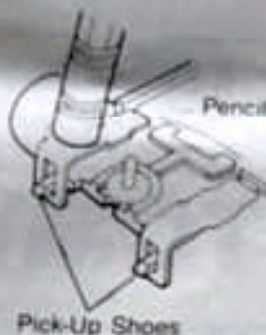
D. CLEAN LINT FROM AXLES

Use a toothpick to remove excess lint, dirt, and dust from around the axles.



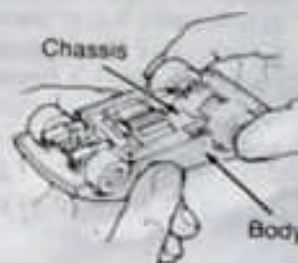
E. CLEAN OR REPLACE PICK UP SHOES

Regularly clean Pick-Up Shoes by carefully rubbing them with a clean pencil eraser or special Track pad provided. Do not apply too much pressure or you may bend the Pick-Up Shoes. Do not use steel wool to clean shoes. If Pick-Up Shoes are slightly or unevenly worn, switch them around. After excessive wear, you should replace Pick-Up Shoes. See section "Performing a Tune-Up" on how to replace worn-out Pick-Up Shoes.



F. REALIGN CHASSIS

Occasionally, the car's snap-on body may shift, causing the tire to rub against the body. Hold the car upside-down and center the chassis until it snaps back into position.



TROUBLESHOOTING CHART

Refer to the Troubleshooting Chart for your particular problem, then look for Diagrams A through F for the best solution.

Diagrams	A	B	C	D	E	F
PROBLEM	Dirty Track & Tires	Wheels Rub Chassis	Poor Track Connection	Dirty Cars	Dirty Worn Pick-up Shoes	Wheel & Body Interference
Cars Won't Run	●	●	●		●	●
Cars Hesitate	●		●	●	●	
Cars Squeak / Run Noisy		●				
Cars Run Slowly / Overheat	●	●		●	●	●
Excessive Spin-outs	●					

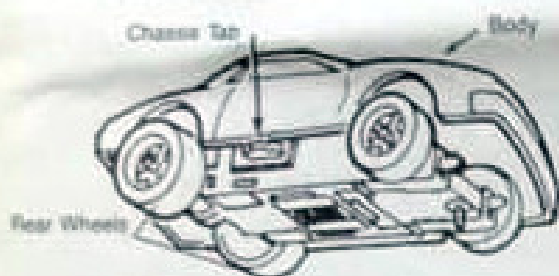
PERFORMING A TUNE-UP

To keep your car running in top performance, here's the mechanics guide to AFX tune-ups. A pair of spare shoes and springs are included. Ask your Toy or Hobby Dealer for the AFX Tune-Up Kit (No. 8634) which includes all the parts you need for a complete tune-up.

NOTE: Before you begin, place a piece of white paper under your work area to make pieces easier to find.

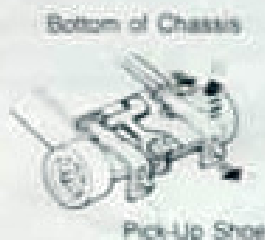
1. REMOVING BODY

Hold Rear Wheels. Pull out on one side of Body until it clears the Chassis Tab, then remove Body.



2. REPLACING PICK-UP SHOES

Carefully pull Pick-Up Shoe forward. Lift up Shoe and remove.



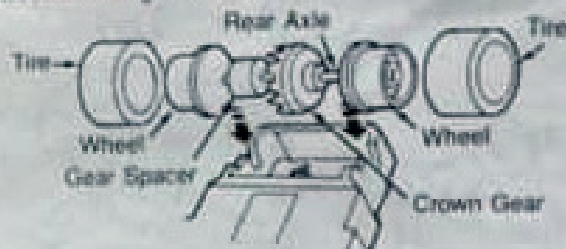
3. REPLACING SHOE SPRINGS

After removing Pick-Up Shoes (see "REPLACING PICK-UP SHOES" above), replace Springs as shown. Replace with new Shoes.



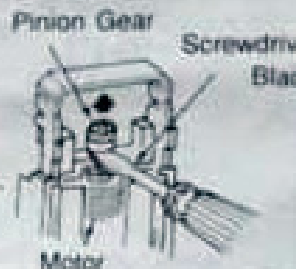
4. REPLACING REAR AXLE ASSEMBLY

In the AFX Tune-Up Kit, the Rear Axle comes assembled with Gear Spacer and Crown Gear already in place. Simply snap Rear Wheel Assembly in as shown, then slide Tires onto Wheels. **NOTE:** You may need to adjust the Wheels; see "Troubleshooting" Section B.



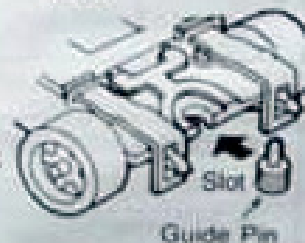
5. REPLACING PINION GEAR

NOTE: Rear Axle must first be removed before replacing Pinion Gear. See section above "REPLACING REAR AXLE ASSEMBLY" for instructions. Insert small screwdriver blade as shown and push Pinion Gear rearward to remove. Slide new Pinion Gear onto Motor. Push into place.



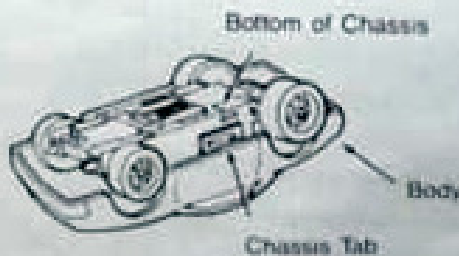
6. REPLACING GUIDE PIN

Simply push Guide Pin out of Slot and replace with a new Guide Pin (available in Tune-Up Kit No. 8634). Guide Pin slides and snaps into place.



7. REPLACING BODY

Slide one end of Chassis Tab into Body, then snap other side into place.



LIMITED 90-DAY WARRANTY

If the mechanics of this product are found to be defective in materials or workmanship within 90 days from the date of purchase, Iwaco Toy Ltd., will repair or replace, at its option, the defective product free of charge. To receive this warranty service:

1. DO NOT return your defective merchandise to the place of purchase.
2. Some problems may be solved by calling our Customer Service Department. Therefore, please notify the Iwaco Toy Ltd. Customer Service Dept. of the problem requiring warranty service by calling (1161) 523-5271 from 9:30 a.m. - 4:00 p.m., Monday through Friday.
3. If our service representative is unable to solve the problem by phone, you may be asked to carefully package the product by itself, with no other items, and return it freight prepaid, along with a copy of your dated proof of purchase (please keep a copy for yourself), and a letter including your name, address and telephone number to: Iwaco Toy Limited, 43 Hordale Avenue, Toronto, Ontario M2H 1A8.

We recommend that you insure your package against loss or in transit damage for which we cannot be responsible. This warranty applies only to the original registered purchaser. TAMPERING, ACCIDENT ABUSE, NEGLIGENCE, UNAUTHORIZED REPAIRS OR OTHER CAUSES UNRELATED TO DEFECTIVE MATERIALS OR WORKMANSHIP OR RIGHTS SPECIFIED IN THIS WARRANTY SHALL BE THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE PURCHASER FOR ANY CLAIM UNDER THE WARRANTY. IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN EXTENSION TO A 90-DAY PERIOD FROM DATE OF PURCHASE AND ARE SUBJECT TO THE CONDITIONS SET FORTH HEREIN. Iwaco Toy Ltd. IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING THE LOSS OF ANY EXPRESS OR IMPLIED WARRANTIES.

This warranty gives you specific legal rights, and you may also have other legal rights that vary from province to province. AFTER THE 90-DAY WARRANTY PERIOD, Iwaco Toy Ltd. will try to repair or replace your product that becomes defective within the following time periods:

Send your product, freight prepaid, at your risk of damage, a money order, dated proof of purchase (please keep a copy for yourself), a letter describing the problem, and your name, telephone and full mailing address to: Iwaco Toy Ltd., Customer Service Dept., 43 Hordale Ave., Toronto, Ontario M2H 1A8. If, after personal inspection, our technicians determine that the product cannot be repaired, it will be returned and your payment refunded. Again, we recommend that you insure your package against loss or in transit damage for which Iwaco Toy Ltd. cannot be responsible. Allow 4 weeks for return of your product. Keep this period for your records.